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MONTANA OIL AND GAS STATISTICAL BULLETIN

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PRODUCTION STATUS

Production of crude oil and condensate from the oil and gas areas of Montana for the month of October, 1978 averaged 86,198 barrels daily, an increase of 598 barrels from the average 85,600 production in September.

The six refineries in the state processed 129,954 barrels of crude oil daily for the month of October, a decrease of 9,961 barrels from the 139,915 barrels processed daily during the month of September.

During October, 79 wells were completed, 18 oil, 33 gas, and 23 dry holes.

During October, the board issued 99 permits to drill new wells, an increase of 7 from the 92 permits issued during September.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA MONTH OF OCTOBER

IN STORAGE: October 1st	
By Producers	385,582
By Transporters	1,474,463
By Refiners	1,780,846
TOTAL STORAGE	3,640,891
Produced in Mont. During Month	2,672,145
Imported During Month	3,260,921
TOTAL	9,573,957
DISPOSITION	
Refined in Montana	4,028,577
Exported	1,797,978
Used for Fuel or Lost	2,352
TOTAL	5,828,907
IN STORAGE: October 31st	
By Producers	379,195
By Transporters	1,576,471
By Refiners	1,789,384
TOTAL STORAGE	3,745,050

REFINERS MONTHLY REPORT OCTOBER, 1978

Company	Beginning Storage	Montana Crude Oil	N. Dakota Crude Oil	Wyoming Crude Oil	Canada Crude Oil	Refined	Ending Storage
Continental Oil Co.	227,685	198,876	—	—	678,177	944,927	159,811
Exxon Company	404,385	55,763	—	880,150	401,889	1,415,603	326,584
Farmers Union	1,134,591	104,804	—	485,760	793,186	1,246,930	1,271,411
Kenco Refining	—	70,203	1,662	—	—	71,865	—
Phillips Petroleum	6,210	173,796	—	—	21,759	195,485	6,280
Wesco Refining Co.	7,975	171,090	—	—	—	153,767	25,298
Totals	1,780,846	774,532	1,662	1,365,910	1,895,011	4,028,577	1,789,384

	AVERAGE BARRELS RECEIVED PER DAY					PERCENTAGE OF CRUDE OIL RECEIVED			
	Montana	N. Dakota	Wyoming	Canada	Total	Montana	N. Dakota	Wyoming	Canada
Year, 1977	24,632	549	50,405	57,615	133,201	18.49%	.41%	37.84%	43.26%
October, 1977	23,884	550	48,566	49,244	122,244	19.54%	.45%	39.73%	40.28%
October, 1978	24,985	54	44,062	61,129	130,230	19.19%	.04%	33.83%	46.94%

PRODUCERS' REPORT—MONTH OF OCTOBER, 1978

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
4	Arch Apex	5	2,048	2,597	2,520	—	2,125
2	Ash Creek	3	536	802	891	—	447
1	Bainville	1	3,401	597	911	—	3,087
1	Bainville West	1	561	753	548	—	766
5	Bannatyne	9	556	745	647	—	654
6	Bears Den	7	838	1,036	392	—	1,482
14	Bell Creek	172	13,046	576,328	577,222	265	11,887
—	Benrud	—	326	—	—	—	326
3	Benrud, East	3	1,418	8,859	8,291	—	1,986
1	Benrud, Northeast	1	279	1,143	845	—	577
1	Berthelote	1	357	80	—	—	437
2	Big Gully	2	384	1,132	1,177	—	339
1	Big Gully, North	1	466	442	579	7	322
3	Big Muddy Creek	3	2,308	4,359	5,252	—	1,415
5	Big Wall	13	1,760	9,526	9,903	—	1,383
1	Big Wall, North	1	91	181	84	—	188
1	Blackfoot	6	195	1,510	1,185	—	520
1	Blue Hill	1	968	1,810	2,418	—	360
6	Border	10	1,411	1,370	1,722	—	1,059
1	Boulder	1	1,067	386	—	—	1,453
1	Bowes	57	4,898	11,269	11,723	—	4,444
2	Bradley	2	704	681	802	—	583
2	Breed Creek	5	785	11,340	10,912	—	1,213
5	Brorson-Madison	5	2,719	2,397	2,955	(14)	2,175
3	Brorson-Red River	3	4,455	3,215	3,263	—	4,407
3	Brorson-Red River, S	3	1,799	5,101	3,781	—	3,119
4	Brorson, South East	4	1,521	2,998	2,649	—	1,870
5	Brush Lake	5	1,397	7,228	7,627	—	998
1	Burns Creek	1	346	382	492	—	236
2	Cabin Creek	85	—	142,844	142,844	—	—
2	Canal	2	1,533	2,512	3,151	—	894
11	Cat Creek	59	1,851	9,019	8,730	(25)	2,165
2	Charlie Creek	2	2,289	13,320	13,831	—	1,778
1	Clark's Fork	1	37	59	—	—	96
1	Clark's Fork, North	1	439	108	—	—	547
1	Clark's Fork, South	1	884	413	397	—	900
5	Clear Lake	6	1,529	16,644	15,144	—	3,029
2	Conrad, South	2	90	435	435	—	90
1	Cow Creek	1	134	472	241	—	365
9	Cow Creek, East	11	5,383	17,876	18,944	—	4,315
2	Culbertson	2	1,908	7,691	8,613	—	986
7	Cupton	10	5,566	11,749	10,258	—	7,057
95	Cut Bank	920	35,093	135,430	135,615	71	34,837
1	Dagmar	2	618	4,009	3,905	—	722
1	Dean Dome	1	1,286	546	1,366	—	466
1	Deer Creek	1	234	587	455	—	366
1	Delphia	1	129	—	—	—	129
2	Devils Basin	4	114	204	204	—	114
6	Dry Creek	6	781	1,714	1,680	—	815
2	Dwyer	10	3,461	12,198	11,500	—	4,159
2	Eagle	2	462	2,542	1,748	—	1,256
3	Elk Basin	49	495	82,920	82,940	—	475
2	Elk Basin, Northwest	4	1,332	1,131	1,071	—	1,392
5	Fairview	9	8,282	20,189	21,076	—	7,395
2	Fertile Prairie	2	353	1,447	1,520	—	280
4	Flat Coulee	21	2,154	12,027	12,424	—	1,757
7	Flat Lake	49	2,168	46,068	45,883	—	2,353
4	Flat Lake, South	4	1,377	3,768	4,304	—	841
2	Fort Gilbert	3	910	5,926	5,706	—	1,130
1	Four Mile Creek	1	482	7,777	7,885	—	374
2	Four Mile Creek, West	2	1,675	6,614	7,101	—	1,188
1	Frannie	1	—	674	674	—	—
14	Fred & George Creek	39	7,085	34,160	37,154	—	4,091
1	Froid, South	1	1,245	621	1,054	—	812
1	Gage	1	40	165	166	—	39
3	Gas City	10	4,354	8,484	7,957	—	4,881
—	Girard	—	1,275	—	—	—	1,275
11	Glendive	14	1,971	18,134	18,480	—	1,625
2	Golden Dome	2	68	248	—	—	316
12	Goose Lake	19	3,267	17,353	16,783	—	3,837
12	Graben Coulee	37	3,748	3,589	3,456	9	3,872
1	Grandview, East	1	205	236	210	—	231
3	Gumbo Ridge	5	454	2,912	2,814	—	552
5	Gypsy Basin	9	1,214	2,093	1,610	929	768
1	Hay Creek-Mission	1	307	865	683	—	489
2	Hay Creek-Red River	2	2,149	2,647	2,358	—	2,438
4	Hiawatha	4	2,579	3,930	4,545	—	1,964
1	Hibbard	1	598	113	—	—	711
9	High Five	16	2,639	29,787	29,080	1	3,345
—	Highview	—	255	—	—	—	255
1	Horse Creek	1	673	112	—	—	785
2	Howard Coulee	2	693	2,320	2,697	(34)	350
4	Ivanhoe	10	804	2,289	2,375	—	718
—	Jackass Butte	—	514	—	—	—	514
2	Jim Coulee	16	2,445	21,226	20,292	—	3,379
5	Keg Coulee	16	2,772	7,332	6,337	16	3,751
4	Keg Coulee, North	4	1,419	1,724	1,922	8	1,213
3	Kelley	3	579	1,294	917	—	956
115	Kevin Sunburst	514	14,828	32,101	32,497	6	14,426
1	Laird Creek	10	604	2,547	1,987	—	1,164
—	Landslide Butte	—	221	—	150	71	—
4	Leary	4	1,748	2,782	2,908	15	1,607
2	Little Beaver	22	142	33,577	33,577	—	142
4	Little Beaver, East	11	2,769	11,065	11,932	—	1,902
15	Little Wall Creek	17	4,547	20,214	19,313	9	5,439
1	Lodge Grass	1	508	63	—	—	571
2	Lone Butte	2	1,040	3,285	3,267	—	1,058
7	Lonetree Creek	7	2,989	17,267	16,786	—	3,470
1	Long Creek	1	235	542	514	—	263

PRODUCERS' REPORT—MONTH OF OCTOBER, 1978—(Continued)

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
2	Long Creek, West	2	1,019	5,530	5,339	—	1,210
3	Lookout Butte (Coral Creek)	30	527	55,313	55,140	—	700
3	Mason Lake	4	748	4,231	4,283	—	696
1	McCabe	1	397	2,178	2,098	—	477
6	Melstone	10	2,003	11,779	12,056	—	1,726
1	Mineral Bench	1	472	329	328	—	473
3	Miners Coulee	4	767	564	700	—	631
16	Mon Dak West	16	16,097	80,946	86,675	—	10,368
9	Monarch	14	3,862	11,621	12,198	—	3,285
2	Mosser	6	—	427	427	—	—
1	Nohly	2	983	4,874	5,248	—	609
1	North Fork	2	677	5,373	5,280	—	770
4	Otis Creek	4	2,959	2,119	2,498	—	2,580
5	Outlook	5	1,873	11,969	12,336	—	1,506
1	Outlook, South	1	660	760	—	—	1,420
2	Outlook, West	2	1,191	740	358	—	1,573
1	Oxbow	1	397	4,056	3,449	—	1,004
1	Pennel	114	780	252,582	252,210	—	1,152
1	Pete Creek	1	226	229	411	—	44
2	Phantom	3	1,035	2,886	2,921	—	1,000
4	Pine	98	14,537	203,407	204,048	—	13,896
62	Pondera	280	6,234	25,271	25,844	—	5,661
6	Poplar	60	6,909	33,824	31,185	—	9,548
11	Poplar, Northwest	16	3,853	13,075	11,747	—	5,181
1	Prairie Elk	1	1,032	144	1,176	—	—
1	Prichard Creek	4	614	576	970	—	220
1	Putnam	2	459	2,374	2,133	—	700
5	Putnam, East	5	3,211	10,230	11,621	—	1,820
2	Rabbit Hills	2	1,564	3,042	2,397	—	2,209
11	Ragged Point	23	3,717	4,666	4,129	(1)	4,255
2	Rattler Butte	2	466	2,259	2,333	—	392
2	Rattlesnake Coulee	2	513	233	—	—	746
2	Raymond	5	2,474	16,087	16,503	—	2,058
—	Raymond, Northeast	—	237	—	—	—	237
3	Reagon	48	970	16,531	16,473	—	1,028
1	Red Creek	19	—	7,358	7,358	—	—
1	Red Fox	1	240	211	313	—	138
1	Redstone	1	594	627	1,053	—	168
1	Repeat	1	550	1,023	1,313	—	260
4	Reserve	4	4,747	7,882	9,081	(20)	3,568
2	Richey	3	605	1,740	1,768	—	577
1	Richey, Southwest	4	421	649	389	—	681
2	RipRap Coulee	2	1,041	1,428	1,659	—	810
4	Rosebud	4	1,303	2,045	2,202	—	1,146
1	Rush Mountain	1	486	1,838	2,061	—	263
2	Salt Lake	3	399	1,137	1,221	—	315
2	Sand Creek	4	402	2,454	2,454	—	402
4	Second Creek	4	1,415	9,232	9,137	—	1,510
2	Sheepherder	2	919	292	585	(2)	628
1	Shotgun Creek, North	1	401	3,462	3,564	—	299
8	Sidney	8	3,526	13,550	13,151	—	3,925
7	Sioux Pass	7	4,998	16,860	17,233	—	4,625
1	Sioux Pass, East	1	476	997	1,160	—	313
2	Sioux Pass, Middle	2	2,158	7,937	9,302	—	793
5	Sioux Pass, North	5	4,360	9,465	10,641	—	3,184
1	Snyder	3	313	557	413	33	424
8	Soap Creek	18	2,299	5,222	4,301	—	3,220
2	Soap Creek, East	2	772	2,830	3,257	—	345
3	South Fork	3	3,446	15,601	16,923	—	2,124
1	Spring Lake	2	1,582	1,502	1,996	—	1,088
1	Stensvad	2	849	298	—	—	1,147
30	Sumatra	103	11,555	123,714	120,464	31	14,774
2	Sunnyhill	2	684	2,003	2,079	—	608
1	Tippy Buttes	1	303	368	424	—	247
4	Tule Creek	4	2,268	10,753	11,153	—	1,868
1	Tule Creek, East	1	917	881	908	—	890
3	Tule Creek, South	3	1,443	1,382	1,580	—	1,245
3	Utopia Swift	11	1,048	6,866	6,122	—	1,792
10	Vaux	10	7,704	23,134	22,873	—	7,965
2	Vida	2	322	585	663	—	244
5	Volt	6	2,387	7,024	6,176	(6)	3,241
1	Wagon Box	1	108	122	—	—	230
1	Weed Creek	1	503	358	652	—	209
3	Weldon	3	1,930	2,145	1,943	—	2,132
—	West Butte	—	182	—	—	—	182
30	Whitlash	67	14,950	15,345	14,088	—	16,207
1	Whitlash, West	1	372	273	246	—	399
2	Willow Creek, North	2	273	751	508	—	516
1	Willow Ridge	2	—	404	404	—	—
3	Wills Creek, South	3	—	3,747	3,747	—	—
3	Winnett Junction	6	417	10,062	10,013	—	466
2	Wolf Springs	2	—	1,626	618	—	1,008
—	Womans Pocket	—	271	—	—	—	271
2	Woodrow	2	224	1,709	1,513	—	420
2	Wright Creek	3	1,026	993	1,089	—	930
—	Wildcat, McCone County	—	52	—	—	—	52
1	Wildcat, Musselshell County	1	295	45	217	—	123
7	Wildcat, Richland County	7	5,299	23,908	25,175	—	4,032
1	Wildcat, Roosevelt County	1	1,005	2,815	2,926	58	836
1	Wildcat, Sheridan County	1	277	4,843	4,518	—	602
—	Wildcat, Toole County	—	200	—	—	—	200
2	Wildcat, Wibaux County	2	1,130	7,610	7,700	—	1,040
900	TOTAL	3,530	385,582	2,672,145	2,677,105	1,427	379,195

See back page for oil production, shipping and storage summaries.

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA AT 14.73 PSIA and 60° F.—MONTH OF OCTOBER, 1978

Field	MC. Ft.
NATURAL:	
Alma	782
Battle Creek	312,955
Bear's Den	—
Big Coulee	84,496
Big Rock	91,174
Black Coulee	4,548
Blackjack	26,180
Bowdoin	668,603
Bowes	2,695
Brown's Coulee	4,504
Bullwacker & Area	146,435
Canadian Coulee	20,865
Cedar Creek	148,893
Chip Creek	2,435
Clark's Fork, North	277
Coal Coulee	4,248
Cut Bank	112,172
Dry Creek	89,463
Dry Creek, Middle	2,829
Dunkirk North	35,420
East Chinook	7,206
Flat Coulee	447
Fresno	37,627
Gold Butte	724
Grandview	25,433
Gypsy Basin	53,356
Hardin	3,243
Haystack Butte	21,818
Highview	51,779
Keith Block	52,400
Kevin Sunburst	5,402
Kevin Sunburst Nisku & Area	13,436
Kicking Horse	18,550
Kinyon Coulee Area	6,504
Lake Basin	39,301
Ledger	10,898
Leroy	107,703
Liscom Creek	14,005
Lohman	—
Middle Butte	410
Miners Coulee	—
Mt. Lilly	—
Phantom	45,450
Plevna	3,645
Prairie Dell	51,775
Pumpkin Creek	21,540
Rapelje	17,375
Rocky Boy Area	10,778
Rudyard	—
Sage Creek	277
Sawtooth Mountain & Area	157,544
Sherard	68,447
Snoose Coulee	12,430
South Devon	15,648
South Shelby	41,774
Strawberry Creek Area	6,370
Swanson Creek	4,466
Tiger Ridge	1,153,106
Trail Creek	—
Utopia	—
West Butte	—
Whitlash	44,519
Willow Ridge	8,935
TOTAL NATURAL GAS	3,893,295

Field	MC. Ft.
ASSOCIATED:	
Bell Creek	39,823
Big Muddy Creek	18,805
Blue Hill	1,689
Clark's Fork South	11,174
Coral Creek	3,849
Culbertson	9,750
Elk Basin	14,033
Fairview	30,261
Four Mile Creek	7,114
Four Mile Creek, West	5,340
Glendive	—
Mon Dak West	45,229
Otis Creek	598
Pennel	—
Richland	49,400
Sioux Pass	13,400
Sioux Pass, East	1,240
Sioux Pass, Middle	6,388
Sioux Pass, North	7,153
Sumatra	6,925
Tule Creek	—
TOTAL ASSOCIATED GAS	272,171
TOTAL WITHDRAWALS	4,165,466

Total withdrawals for October, 1977, were 3,646,000 MCF.

Total oil produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1977	32,680,054	89,534	32,202,122	88,225
1st Quarter, 1978	7,228,897	80,321	7,188,700	79,874
2nd Quarter, 1978	7,661,483	84,192	7,659,476	84,170
3rd Quarter, 1978	7,802,313	84,808	7,779,251	84,557
October, 1978	2,672,145	86,198	2,677,105	86,358

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage	Total In Storage
December, 1977	351,530	1,438,975	1,421,444	3,211,949
March, 1978	382,596	1,470,247	1,432,055	3,284,898
June, 1978	370,202	1,578,927	1,488,928	3,438,057
September, 1978	385,582	1,474,463	1,780,846	3,640,891
October, 1978	379,195	1,576,471	1,789,384	3,745,050